

REMARKS

Very thanks for Examination's suggestion and thanks for finding some citations about the present invention, thereby, the applicant may know more information about the invention. This case has been carefully reviewed and analyzed in view of the office action. All details of the reference prior arts are fully considered and compared with the present invention.

(A) COMPARING WITH THE CITATION USP6,420,956

Referring to the citation USP6,420,956, see Fig. 1 of the citation, it is illustrated that the carbon films 2a, 2b are contact to one another. It is a circuit completely different from the present invention. In Fig. 2 of the present invention, the left side (including elements 3, 8 and 6) and the right side (including elements 7, 9 and 5) are not contact to one another. Thus the circuit of the present invention is completely different from the circuit in the citation because they have different effect.

Furthermore, in the present invention, the auxiliary test lines 6, 7 are at the middle part of the circuit, they are spaced to have a gap 10 thereof. The citation has no corresponding part as the auxiliary test lines 6, and 7.

In the amendment of the claim 1, we have described the geometrical relation of the elements 3, 8, 6, 7, 5, 4 so that it will not confuse with the citation '956.

In the office action, the elements 3a and 3b are used to be corresponding to the auxiliary test lines 6 and 7. However the elements 3a and 3b are indeed more likely the elements 2 and 4 of the present invention.

In the present invention, referring to Fig. 2, in one application, the elements 7, 9, 5, and 4 may be formed as a loop so as to test the resistance

of this loop singly. The elements 2, 3, 8 and 6 can be formed as a loop so as to test the resistance of this loop singly, but the citation cannot achieve this effect.

In the novelty of the present invention is the addition of the auxiliary test lines 6 and 7, which can achieve above mentioned effect, but the prior art 956 has no this effect.

(B) COMPARING WITH THE CITATION USP4,847,586 IN COMBINATION WITH THE CITATION USP6,275,138

Referring to Fig. 4 of the citation 4,847,586, which is used to object the present invention, however, in the amended claim 3, we have described that “the first printed circuit foil 3, the first carbon film resistor 8, the first test auxiliary line 6, the second test auxiliary line 7, the second carbon film resistor sheet 9, the second printed circuit foil 5 are sequentially arranged so that the first and second printed circuit foils 3, 5 are at outer sides of the device, the first and second test auxiliary lines 7 and 9 are at inner sides of the device; and the gap is connected the first and second test auxiliary lines, and no element is located in the gap.”. In fact, as we refer to Fig. 4 of the citation ‘586, it is apparent that structure of the Fig. 4 in the citation does not like the arrangement described in claim 3 which also can refer to Fig. 2 of the present invention).

Furthermore, in Fig. 4 of the citation ‘586, the elements 15 are printed circuit board, E1 and E2 are electrodes. They has no element like the carbon film resistor sheets 9, 10 of the present invention. Thereby, the arrangements and materials of the citation ‘586 are different from the claim 3 of the present invention.

The citation USP6,275,138 has a circuit structure illustrated in Fig. 2. However the structure is like the circuit structure in Fig. 4 of the citation USP6,420,956. Thus the discussion in part (A) of this is response is also

effective to the discussion of this citation '138. Thus, as the result of part (A), it is apparent that the citation '138 cannot be used to object the novelty and inventive step of the present invention.

Thus from above discussion, the citations USP4,847,586, USP6,275,138 have no features of claims 3 of the present invention, such as the arrangement order of all the elements, and the material of the elements is not disclosed. Thus, the combination of the two citations USP4,847,586, USP6,275,138 has still no theses features, and therefore, the present invention is novel and inventive over the combination of the two citations.

(C) RESULT

Since in above discussion, it is apparent that no prior art has the features of the present invention, especially in new claim 3. Furthermore, as we know that no other prior art has features of the present invention. Thus, the present invention is novel and inventive.

If there is any error in the specification, or claims, applicant requests and authorizes Examiner to amend the claims, specification and drawings of the present invention so that they can match the requirement of U. S. Patent. Attentions of Examiner to this matter are greatly appreciated.

It is now believed that the subject Patent Application has been placed in condition for allowance, and such action is respectively requested.

Respectfully submitted.

Dated: *HSU, WEI*
06 / 06 / 2005

235 Chung – Ho Box 8-24

Taipei Taiwan R. O. C.